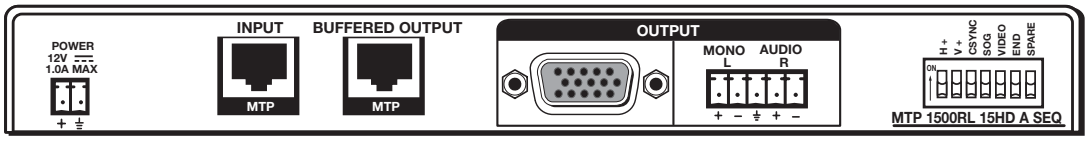
Extron Electronics
INTERFACING, SWITCHING AND CONTROL

MTP 1500RL 15HD A SEQ • Setup Guide

IMPORTANT: Refer to www.extron.com for the complete user guide and installation instructions before connecting the product to the power source.

This guide provides basic instructions for an experienced installer to set up and operate the Extron MTP 1500RL 15HD A SEQ twisted pair receiver.

For full details, see the *MTP 1500RL 15HD A SEQ User Guide*, available online at **www.extron.com**.



Installation and Setup

Step 1 — Mounting

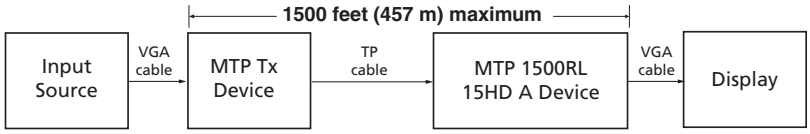
Turn off or disconnect all equipment power sources. Mount the MTP 1500RL 15HD A SEQ receiver as required.

Step 2 — Connect input

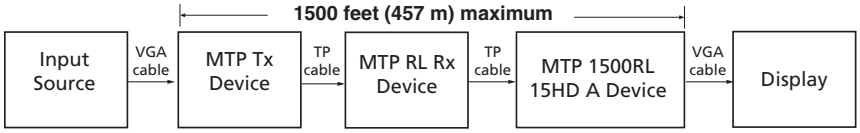
Connect the RJ-45 cable from an MTP transmitter to the Input port on the MTP 1500RL 15HD A SEQ receiver.

Terminate the cable as shown below right, using the same standard (A or B) at both ends.

Transmission distance with **one device** before the MTP 1500RL 15HD A SEQ



Transmission distance with **more than one device** before the MTP 1500RL 15HD A SEQ



Pin	T568A Wire Color	T568B Wire Color
1	White-green	White-orange
2	Green	Orange
3	White-orange	White-green
4	Blue	Blue
5	White-blue	White-blue
6	Orange	Green
7	White-brown	White-brown
8	Brown	Brown

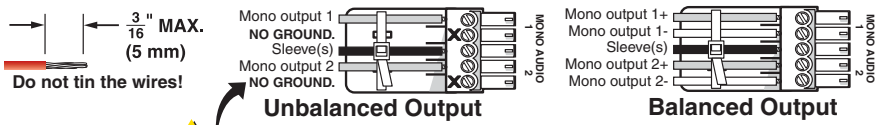
NOTE: The transmitter and receiver are designed for and perform best with Extron Enhanced Skew-Free™ AV cable terminated in accordance with the TIA/EIA T568A standard. CAT 5 cables are acceptable but less preferable. Using preterminated and tested cables is also recommended. Cables terminated on site should be tested before use to ensure that they comply with Category 5 specifications.

Step 3 — Connect outputs

Attach the applicable output cables (video, audio, and buffered output).

a. **High resolution video output** — Connect a display device to the 15-pin HD connector (RGB).

b. **Audio connector** — Connect an audio device to the 5-pole captive screw connector for mono audio output



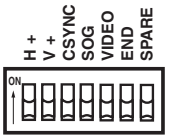
CAUTION
For unbalanced audio, connect the sleeve(s) to the ground contact.
DO NOT connect the sleeve(s) to the negative (-) contacts.

c. **Buffered output** — Connect up to 5 daisy-chained MTP receivers to this RJ-45 connector.

CONTINUED ON SIDE 2

Step 4 — Receiver DIP switches

- **H sync (H+) and V sync (V+) switches** — Set these switches up (On) for positive sync or down (Off) for negative sync.
- **Composite Sync, SOG, and Video switches** — Set these switches as shown in the table (see right) to output the indicated format.
- **End Unit switch** — Set this switch up if either of the following is true:
  - **a.** The receiver being configured is the only receiver connected to the transmitter.
  - **b.** The receiver being configured is the last receiver in a daisy-chained system.

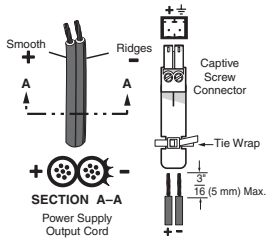


Output Format	C Sync	SOG	Video
RGBHV	▼	▼	▼
RGBS	▲	▼	▼
RGsB	▼	▲	▼
Component*	▼	▼	▲
S-video*	▼	▼	▲
Composite*	▼	▼	▲

** Input video format must match.*

Step 5 — Power

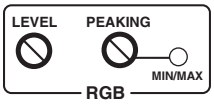
- **a.** Plug the included 12 VDC power supply into the 2-pole captive screw connector.
- **b.** Wire the connector as shown at right.



Step 6 — Peaking and Level

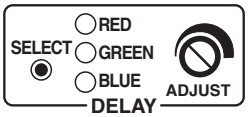
Adjust image sharpness with the **Peaking** control. Increased peaking compensates for mid- and high-frequency detail loss. The LED lights red when minimum (zero) and maximum peaking is reached.

Adjust image brightness using the **Level** control. View the image and adjust either control for the best image quality.



Step 7 — Skew compensation

Pair skew can be measured with test equipment or by viewing a crosshatch test pattern. The SEQ receivers have built-in skew compensation capabilities. Adjust the equalization as follows:



- **a.** **Set the skew delay to zero** for red, green, and blue by pressing and holding the Select button in for 3 seconds, using a Tweeker or small screwdriver. When the Red, Green, and Blue LEDs all go out, release the Select button.
- **b.** Use UTP cable test equipment or examine the displayed image to determine which video signal — red, green, or blue — **is shifted furthest to the left.**
- **c.** **Adjust the furthest left video signal** by using a Tweeker or screwdriver to press and release the Select button until the LED for the left-shifted color lights.
- **d.** Slowly rotate the Adjust control clockwise until the shifted color is properly aligned.
- **e.** Repeat steps **7c** and **7d** to align the third color if needed.

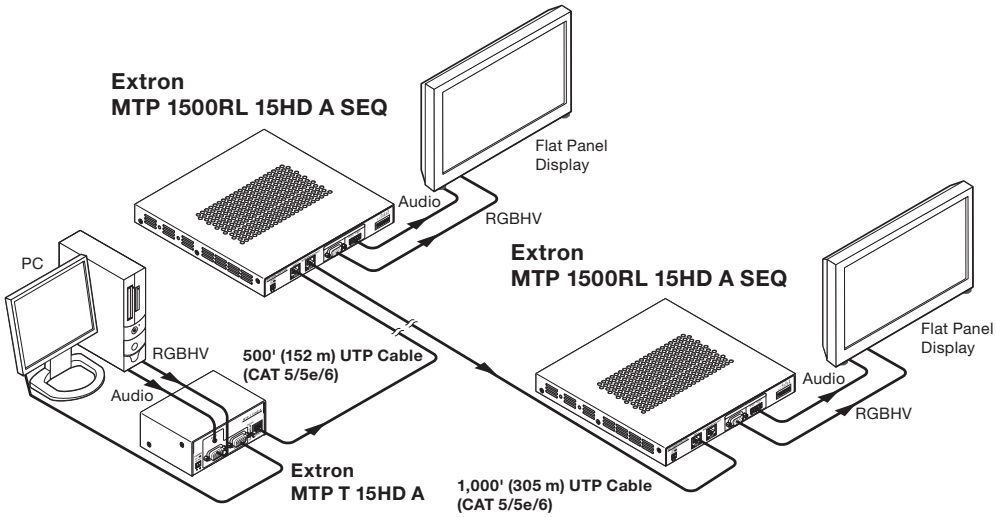


Figure 1. **Example of a typical MTP 1500RL 15HD A SEQ application**

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